Applicant: Koujiro Kameyama et al. Attorney's Docket No.: 14225-046001 / F1040123US00

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Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-8. (Canceled)

9. (Withdrawn) A method of manufacturing an optical semiconductor device, comprising:

preparing a wafer having a plurality of circuit portions each including any one of a light-receiving element and a light-emitting element on a surface thereof;

separating the wafer into individual optical semiconductor elements by forming separating grooves from a back surface of the wafer so that the wafer is separated;

providing terminal portions electrically connected with the circuit portions on back surface of the optical semiconductor elements;

forming sealing resin so that at least the separating grooves are filled with the sealing resin; and

separating individual optical semiconductor devices from each other along the separating grooves.

- 10. (Withdrawn) The method of claim 9, further comprising the step of adhering a transparent covering layer onto the surface of the wafer so that the circuit portions are covered with the covering layer.
- 11. (Withdrawn) The method of claim 10, wherein after the wafer with a covering layer facing down is adhered onto a sheet, the separating grooves are formed.
- 12. (Withdrawn) The method of claim 10, wherein the separating grooves are formed so that both the wafer and the covering layer are divided, and side surfaces of the optical semiconductor

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elements and divided portions of the covering layer are covered with the sealing resin with which the separating grooves are filled.

- 13. (Withdrawn) The method of claim 9, wherein the separating grooves are formed so that the covering layer is partly divided, and side surfaces of the optical semiconductor elements and of partly divided portions of the covering layer are covered with the sealing resin with which the separating grooves are filled.
- 14. (Withdrawn) The method of claim 9, wherein the circuit portions of the optical semiconductor elements and the terminal portions are electrically connected by penetrating electrodes provided in the optical semiconductor elements.
- 15. (Withdrawn) The method of claim 9, wherein the circuit portions of the optical semiconductor elements and the terminal portions are connected through rewiring patterns elongating along side surface portions of the optical semiconductor elements, and the rewiring patterns are covered with the sealing resin.
- 16. (Withdrawn) The method of claim 15, wherein the rewiring patterns are formed on the side surface portions, each side surface portion being formed to be an inclined surface.
- 17. (Withdrawn) The method of claim 9, wherein the sealing resin is formed to cover the terminal portions and the back of the wafer, and the terminal portions are exposed by abrading the sealing resin.
- 18. (New) A semiconductor device, comprising:
- a semiconductor element having a circuit portion including at least one of a light-receiving element or a light-emitting element on a front surface thereof;
- a first conductive means electrically connected to the circuit portion and located on the front surface of the semiconductor element;
- a penetrating region extending from the front surface to a back surface of the semiconductor element in a manner substantially vertical to the front and back surfaces of the

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semiconductor element, wherein the penetrating region is located over the first conductive means and away from side surfaces of the semiconductor element;

a second conductive means located inside the penetrating region and electrically connected to the first conductive means; and

a cover that is transparent to a light and is located on the front surface of the semiconductor element.

- 19. (New) The device of claim 18 wherein the second conductive means is connected to a terminal portion on the back surface of the semiconductor element.
- 20. (New) The device of claim 18 wherein a sealing resin covers the side surfaces.
- 21. (New) The device of claim 18 wherein a boundary between the semiconductor element and the cover is covered by sealing resin.
- 22. (New) The device of claim 18 wherein the second conductive means is made of a conductive material.